

TSVETKOV, he Noy EMMIN, G.K.; LOBANOV, D.I.; KAP SCHNIK, M.I., akademik

Correlation of the dissociation constants of carboxylic acids RCOCH and Taft's d-constants with the miclear quadrupole resonance frequencies of halogens in RHal-type compounds. Dokl. AN SSSR 161 no.5x1102-1105 Ap '65. (MIRA 18:5)

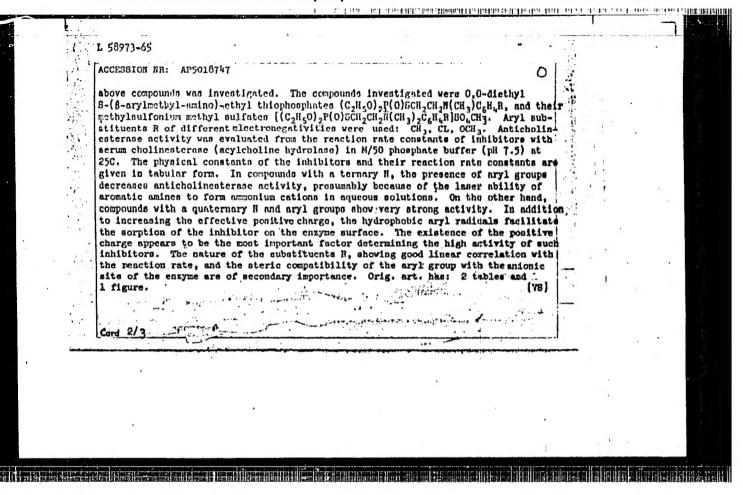
1. Institut elementoorganicheskikh sovedinanty AN SSER.

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L 28840-56 EWT(m)/EWP(j) ACC NRI SOURCE CODE: UR/0020/65/162/002/0339/0342 AF601865h Kabachnik, H. I. (Academician); Medved!, T. Ya.; Matroscir, Ye. I. AUTHOR: ORG: Institute of Organoelemental Compounds. AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR) TITIE: Potassium and sodium salts of bis-diphenylphosphing | mothane, and their reactions with aldehydes SOURCE: AN SSSR. Doklady, v. 162, no. 2, 1965, 339-342 TOPIC TAGS: potassium compound, sodium compound, organic salt, aldohydo, chemical reaction, IR spectrum The authors had at their disposal bis-diphenylphosphinyl-ABSTRACT: methane (the dioxide of tetraphenylmethylenediphosphine), which they call "dioxide" and they investigated its ability to form sodium and potassium derivatives, separated the derivatives in analytically pure form, studied their infrared spectra, and their reactions with aldehydes. The changes in the infrared spectrum of dioxide when it forms salts corresponds to that of bid-dialkylphosphorylmethane, diethylphosphorylacetone, and acetylacetone when they form salts. Reactions of dioxide salts with aldehides was investigated with the potassium salt. They result in the formation of oxides of phosphines, containing beta-substituted vinyl groups, and the potassium salt of diphenylphosphinic acid. The reaption occurs both with aromatic and with aliphatic aldehydes. D. F. Dintrivey ansisted with the experiment. Orig. art, has: 1 figure. 4 formiliag. 1 thole. 2008. CQDE: 97 SUBI DATE: 26Jano5 ORIG REF: 003 OTH REF: 007

ACCESSION NR: AP5018747 UR/0020/65/163/002/0365/0368 AUTHOR: Breatkin, A. P.; Brik, I. L.; Volkova, R. I.; Godovikov, N. H.; Teplov, N. Ye.: Kebachnik, M. I. (Academician) TITLE: Anticholinesterase properties of 0.0-diethyl 6-(2-arylmethylamino)-ethyl 8 thiophosphates and their methylsulfonium methyl sulfates A			
TOPIC TAGS: nerve gan, chemical warfare agent, cholinesterase inhibitor, anti- cholinesterase activity, thiophosphate ester ABSTRACT: One of the most effective ways to increase the activity of organophosphorus cholinesterase inhibitors is to introduce an onium group in their structure at the same distance from the phosphoryl group as the distance between the carbonyl carbon and the quaternary nitrogen in acetylcholine. Previous work showed that the		•	
sharp increase in anticholinesterase activity observed on transition from sulfides CH ₃ (C ₂ H ₅ O)P(O)SCH ₂ CH ₃ C ₂ H ₅ O)P(O)SCH ₂ CH ₃ C ₄ C ₅			
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MASTRYUKOVA, T.A., SHIPOV, A.E., ABALYAYEVA, V.V., KUGUCHEVA, Ye.Ye., KABACHNIK, M.I., akademik

Reactivity of ambident anions. Alkylation of modium derivatives of acatoacetic ester and acetylacetone by riebbyl exemium fluoboride. Dokl. AN SSSR 164 no.2:340-343 S 165.

(MIRA 18:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

KABACHNIK, M.I., akadenik; GILYAROV, V.A.; YUSUFOV, M.M.

Stable salts of alkoxyaminophosphoniums with a delocalized onium charge. Dokl. AN SSSR 164 no.4:812-815 0 165.

(MIRA 18:10)

1. Institut elementoorganicheskikh scyedineniy AN SSSR.

The second secon	L 9829-66 EWT(:)/EWA(j)/EWT(m)/EWP(j)/EWA(b)-2 RO/RM ACC NR: AF5026989 Source Code: Uk/0020/65/164/005/1077/1080 AUTHOR: Sveshnikov, N. N.; Damir, N. A.; Kabachnik, M. I. (Academician)
	ORG: VNIKI 35
	ORG: All-Union Scientific Research Cinephoto Institute (Vsesoguznyy nauchno- issledovatel skiy kinofotoinstitut)
	TITLE: The action of phosgene on 1-alkyl-1,2-dihydro-2-quinolones and some reactions of the compounds formed
4	SOURGE: AN SSSR. Doklady, v. 164, no. 5, 1965, 1077-1080
	TOFIC TAGS: phosgene, organic salt, quantitative analysis
the state of the s	ABSTRACT: Bredereck and Bredereck (Chem. Ber. 94, 2278, 1961) have obtained from CCCl ₂ and 1-methyl-1,2-dihydro-2-quinolone (I) a crystalline substance which they called an adduct. The authors of this paper have undertaken to study this reaction and other reactions of a similar type. When 12.4 g. CCCl ₂ in 22 ml. toluene was added to 8.65 g. (I) in 25 ml. benzene at room temperature, an exothermic reaction
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L 9829-66 ACC NR: AP5026989

occurred with evolution of CO₂ and formation of 10.68 g 2-chlorquinoline MeCl (II) m. 130-135 C. The reaction apparently follows the scheme given below and the "adduct" is in fact a quaternary salt of 2-chlorquinoline (III). Similarly

synthesized were 2-chloro-6-methylquinoline-(II) McCl, m. 150-153 C, 100% yield, and 2-chloro-6-methoxyquinoline-EtCl, m. 175-80 C, 96%. The Cl atom in these compounds is highly mobile and can be easily replaced. Thus, C.42 g (II) in 3 ml MeCH treated with O.16 g NaHS in O.5 ml MeCH (or O.5 g Na₂S₂O₃ in 3 ml) gave yellow 1-methyl-1,2-dihydro-2-quinolinethione, m. 116-117 C, 75.5 and 86%, respectively. Analogously prepared were 1,6-dimethyl-m. 129-130 C, (75 and 89.5%) and 1-ethyl-6-methoxy-1,2-dihydro-2-quinolinethione, m. 90-91 C, 72.7 and 85%.

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L 9829-66 ACC NR: AP5026989

(II) (1.07 g) in 2 ml. H₂O treated with a solution of 0.62 g NaHSO₁ and 0.2 g MaCli in 3 ml H₂O gave 1-methyl-2-sulfoquinoliniumbetaine, m. 236-237 C (decomp.), 76.5%. Also prepared were 1,6-dimothyl-(m. 235-287 C decomp.), 74.5%, and 1-ethyl-6-methoxy-2-sulfoquinoliniumbetaine, m. 228-230 C, 64.5%. Heating 0.42 g (II) 10 methoxy-2-sulfoquinoliniumbetaine, m. 228-230 C, 64.5%. Heating 0.42 g (II) 10 min. with 1.2 g anhydrous KI in 4 ml. boiling glacial Ac(H gave 2-iodoquinoline-min. with 1.2 g anhydrous KI in 4 ml. boiling glacial Ac(H gave 2-iodoquinoline-min. with 20 c anh 62%, resp. (II) in CHGl₃ reacted with FhNH₂ at room derivative 221-222 C, 61 and 62%, resp. (II) in CHGl₃ reacted with FhNH₂ at room temperature to give 1-methyl-2-phenylimino-1,2-dihydroquinoline, bright yellow, m. 73-74 C. Heated with NH₂Oi in anhydrous MeCH, (II) formed the exime of I, m. 73-74 C. Heated with NH₂Oi in anhydrous MeCH, (II) formed the exime of I, m. 257-258 C, 72.5%. 179-180 C and with N₂H₄.H₂O at 15-20 C, an azine, bright red, m. 257-258 C, 72.5%. 179-180 C and with N₂H₄.H₂O at 15-20 C, an azine, bright red, m. 257-258 C, 72.5%. 179-180 C and with N₂H₄.H₂O at 15-20 C, an azine, bright red, m. 257-258 C, 72.5%. 179-180 C and with N₂H₄.H₂O at 15-20 C, an azine, bright red, m. 257-258 C, 72.5%. 179-180 C and with N₂H₄.H₂O at 15-20 C, an azine, bright red, m. 257-258 C, 72.5%. 179-180 C with nubsequent with an excess of PhOH in the presence of NEt₃ in 10 min. at 100 C with nubsequent with an excess of PhOH in the presence of NEt₃ in 10 min. at 100 C with nubsequent like an excess of PhOH in the presence of NEt₃ in 10 min. at 100 C with nubsequent with an excess of PhOH in the presence of NEt₃ in 10 min. at 100 C with nubsequent like an excess of PhOH in the presence of NEt₃ in 10 min. at 100 C with nubsequent like an excess of PhOH in the presence of NEt₃ in 10 min. at 100 C with nubsequent like an excess of PhOH in the presence of NEt₃ in 10 min. at 100 C with nub

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ACG NR:	AP5026989				•		11.7		
a suspensi	nin, in MeOH in thylene-1,2-dihydion of (II) in te	tralin at 150 yields pure	M+ 40T-	~ U, D	risht:	yello	w. 66.6%	Reatinof 1601	ng .
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KABACHNIK, M.I., akademik; DYATLOVA, N.M.; MEDVED', T.Ya.; MEDYNTSEV, V.V.; RUDOMINO, M.V.

Polynuclear beryllium complexonates. Dokl. AN SEER 164 no.6:1311-1314 0 '65. (MIRA 18:10)

1. Institut khimicheskikh reaktivov i osobo chisty¹ khimicheskikh veshchestv i Institut elementoorganicheskikh soyecineniy AN SSSR.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619720015-0

26574-66 EWI(m)/EWP(J) RM SOURCE CODE: UR/0020/65/165/003/0578/0581 AP6016975 AUTHOR: Nikolayev, A. V. (Corresponding member AN SSSR); Gribanova, I. N.; Я. Yakovleva, N. I.; Durasov, V. B.; Khol'kina, I. D.; Mironova, Z. N.; Tsvetkov, Kabachnik, M. I. (Academician) ORG: Institute of Heteroorganic Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR); Institute of Inorganic Chemistry, Siberian Department, AN SSSR (Institut neorganicheskoy khimii Siberskogo otdeleniya AN SSSR) TITLE: Correlation of the extraction capacity of organophosphorus extraction reagents with the sigma constants of the substituents on the phosphorus atom SOURCE: AN SSSR. Doklady, v. 165, no. 3, 1965, 578-581 TOPIC TACS: organic phosphorus compound, uranyl nitrate, plutonium, alkylphosphine oxide, distribution coefficient, phosphinic acid ABSTRACT: The article presents preliminary results on the correlation of the extraction capacity of neutral organophosphorus extraction reagents with their structure. The sigms constant, which Nikolayev et al. derived from the ionization constants of phosphorus acids in 1956, using the Hammett equation, was used to characterize the influence of substituents. The presence of a linear relationship between the effective extraction constants and sums of the sigma constants was demonstrated with a correlation coefficient of 0.994. The correlation of the sigma constants with the distribution coefficients was studied for the extraction of uranyl nitrate and plutonium (IV and VI) nitrate Card 1/2 UDG: 541.49

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ACC NR: AP6016975

by organophosphorus compounds (approximately 30 extraction reagents) under various conditions. A linear relationship was found to exist between the logarithm of the distribution coefficients and sums of the sigma constants of the substituents on the phosphorus stom, obeyed by esters of phosphoric, mono- and dialkylphosphinic scids, trislkylphosphine oxides, and dislkyl phosphites. The linear relationship found was better satisfied by the distribution coefficients in extraction from neutral and moderately acidic solutions. Chiefly compounds containing isopropyl and isobutyl radicals in the ester groups or at the phosphorus atom satisfactorily obey the linear relationship. A linear relationship is also obeyed by the maximum values of the distribution coefficients for each extraction resgent. The distribution coefficients determined in extraction experiments are functions of several variables, including the constants of complex formation, salt formation (in acid media), hydration constants, and particular distribution coefficients of the substances participating in the equilibrium. From the fact that the logarithms of the distribution coefficients are linear functions of the sum of the sigma constants of the substituents, it follows that the particular. distribution coefficients obey the Hammett equation in the cases considered. The correlations of the distribution coefficients of uranyl and plutonium nitrates for organophosphorus extraction reagents with the values of the sum of the signa constant of the substituents on the phosphorus atom are tabulated for 24 extraction systems. Orig. art. has: I figure and I table. [JPRS]

SUB CODE: 07 / SUBM DATE: 07Jun65 / ORIG REF: 017 / OTH REF: 011

KABACHNIK, M.I., akademik; IOFFE, S.T.

Application of correlation equations to keto-enol equilibrium.
Dokl. AN SSSR 165 no.5:1085-1087 D '65.

(MIRA 19:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Submitted July 1, 1965.

Synthecis of C-ethyl-S-(P-aryloxyethyl) asthylmosphosphinates.

Inv.AH SEYR, Ser.khim. no.1:164-166 163. (MERA 39:1)

1. Institut elementoorganicheskikh soyedineniy AN SEUR. Submitted Mry 17, 1965.

L 31362-66 -EWP(j)/EWT(m)/T---RM SOURCE CODE: UR/0062/66/000/002/0367/0368 ACC NR AP6021102 AUTHOR: Kabachnik, M. I.; Medved', T. Ya.; Polikarpov, Yu. H. B ORG: Institute of Organoelemental Compounds. AN SSSR (Institut elementocrgania cheskikh soyedineniy) TITLE: Oxides of beta-aminosubstituted vinvlphosphines SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya. no. 2, 1966, 367-368 TOPIC TAGS: organic oxide, organic synthetic process, ozonide ABSTRACT: Continuing the study of oxides of alpha, beta-unsaturated phosphines, the authors synthesized oxides of phosphines containing a dialkylamine group in the beta-position of the vinyl radical and investigated some of their properties. The oxide of beta-diethylaminovinyldiphenylphosphine was obtained by the authors by dehydrochlorination of the addition product of diethylamine to the oxide of alpha-chlorovinyldiphonylphosphine. When this compound was subjected to ozonization, and the ozonide to decomposition with water, formaldehyde was not detected. The following compounds were prepared: oxide of alpha-chloro-beta-diethylaminoethyldiphenylphospine; exide of beta-diethylaminovinyldiphenylphosphine; diexide of tetraphenyldiethylaminoethylanodiphosphine; oxide of beta_dimethylaminovinylphosphine; and dioxide of tetraphenyldimethyleminoethylenediphosphine, [JPRS] SUB CODE: 07 / SUBM DATE: 14Jul65 / ORIG REF: 001 / OTH REF: 542.91 + 661.718.1 Card 1/1

L 31363-66 EWP(j)/EWT(m)/T SOURCE CODE: UR/0062/66/000/002/0368/0370 AP6021103 ACC NRI A.D Kabachnik, M. I.; Medved, T. Ya.; Polikarpov, Yu. M. AUTHOR: B ORG: Institute of Organoelemental Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy) TITIE: Oxide of alpha-methyl-beta-chlorovinyldiphenylphosphine SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, 368-370 TOPIC TAGS: organic oxide, chlorine, chlorinated organic compound, substituent, reaction mechanism, vinyl chloride, organic phosphorus compound It is known that the chlorine atom in beta-chlorovinylketone in contrast to the low-activity chlorine in vinylchloride shows high lability and is capable of being substituted in numerous reactions by other groups with the formation of beta-substituted vinylketones (ketovinylation reaction). The presence of a positive charge induced on the beta-carbon atom facilitates nucleophilic attack and increases the replaceability of the halogenide atom, which by its nature approximates the halogenide in the halogenoanhydrides of carboxylic acids. When heated with alcohol in the presence of an alkali, the exide of alpha-methyl-beta-chlorovinyldiphenylphesphine undergoes replacement of its chlorine atom by an alkoxy group with the formation of a vinylester; this oxide does not react with tertiary amines, sodium iodide, or potassium cyanide even under severe conditions. [JPRS] SUB CODE: 07 / SUBM DATE: 14Jul65 / ORIG REF: 003 / Cord 1/1

ACC NRI AP6032977

SOURCE CODE: UR/0379/66/002/004/0458/0463

AUTHOR: Tsvetkov, Ye. N.; /Lobanov, D. I.; Kabachnik, M. T.

ORG: Institute of Organometallic Compounds, Moscow (Institut elementoorganicheskikh soyedineniy)

TITIE: Study of the electronic influence of the diphenylphosphino group

SOURCE: Teoreticheskaya i eksperimental naya khimiya, v. 2, no. 4, 1966, 458-463

TOPIC TAGS: substituent, conjugate bond system, dissociation constant, benzoic acid.

ABSTRACT: In order to determine the nature of the electron-acceptor effect of the diphenylphosphino group and elucidate the role of p-w conjugation in the overall influence of the substituent, the authors determined Hammett's constant $\sigma_{\rm R}$ of diphenylphosphino and certain other related groups. To this end, mota-substituted benzoic acids containing diphenylphosphino, diphenylamino, diphenylphosphinyl and thiophosphinyl groups were synthesized, and their ionization constants $pK_{\rm R}$ were measured. It was found that the diphenylphosphino group is not only an electron acceptor, but also a meta-orienting substituent having an unshared electron pair. This is probably due to two causes: (1) lack or weakness of the effect of p-w conjugation and (2) substantial role of the electron-acceptor effect, which is probably due to $d_{\rm W}$ - $p_{\rm W}$ conjugation. The diphenylphosphinyl and diphenylthiophosphinyl groups are strong meta-orientants

Card 1/2

Card 2/2

ACC NRI AP6030554.

SOURCE CODE:

UR/0413/66/000/016/0032/0032

INVENTOR: Kabachnik, M. I.; Nikolayev, A. V.; Mironova, Z. N.; Tavetkov, Ye. N.

ORG: none

TITLE: Preparation of dialkyl(acetoxymethyl)phosphines. Class 12, No. 184848. [announced by Institute of Heteroorganic Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 32

TOPIC TAGS: dialkyl acetoxymethylphosphine, triacetoxyphosphine, alkyl halide, ALETONE, ORGANIC PHOSPHORUS COMPOUND

ABSTRACT: : In the proposed method, dialkyl(acetoxymethyl)phosphines are obtained ! by successive treatment of triacetoxyphosphine with an alkyl halide and aqueous triethylamine, or sodium carbonate solution, or NaOH with subsequent treatment of the alkyldi(acetoxymethyl)phosphine formed with the above products. [WA-50; CBE No. 11]

SUBM DATE: 20May65/ SUB CODE: 07/

1/1 Card

547.419.1.07 UDC:

ACC NR. AP6032587

SOURCE CODE: UR/0062/66/000/008/1365/1370

AUTHOR: Kabachnik, M. I.; Medved, T. Ya.

ORG: Institute of Organometallic Compounds, Academy of Sciences, SSSR (Institute elementoorganicheskikh soyedineniy Akademii nauk SSSR)

TITLE: Some properties of amides of chloroethylphosphorous, \$\beta\$-chloroethylphosphonic and vinylphosphonic acids

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 8, 1966, 1365-1370

TOPIC TAGS: amide, organic phosphorus compound

BSTRACT: One of the most interesting properties of β -chloroothyl esters of acids of trivalent phosphorus is their ability to undergo an intramolecular Arbuzov rearrangement and convert into corresponding derivatives of pentavalent phosphorus. The article describes cases where this rearrangement of esters containing a haloalkyl function in the molecule takes place under mild conditions. This was found to occur in β -chloroethylphosphorous diamides. O-(β -Chloroethyl)-N,N-tetraalkyldiamidophosphites (I), obtained by the reaction of β -chloroethyldichlorophosphite with dimethyl- and diethylamines, are unstable compounds:

Cl_POC_1H_Cl $\xrightarrow{\mathbf{R}_1\mathbf{NH}}$ ClC_1H_0P $(\mathbf{NR}_1)_1 \rightarrow \mathbf{ClC_1H_4P}$ $(\mathbf{NR}_1)_1$

(11)

R == CHa, Calla

Card 1/2

UDC: 542.952.1+661.718.1

ACC NR. AP6032587

Thus, tetramethyl derivatives during vacuum distillation at ~80°C partially isomerise into β -chloroethylphosphonic diamide (II) (R = CH3). When large portions of Q-(β chloroethyl)-N,N-tetramethyldiamidophosphite are distilled, a third isomer (in addition to (I) and (II)) is formed which melts at 110°C. A series of conversions have shown that (III) is formed by the alkylation of nitrogen by the \$-chloroethyl group and has the structure

It is shown that the isomerization of β-chloroethylphosphorous amides into β-chloroethylphosphonic amides occurs under milder conditions than in all cases of rearrangement of β-chloroethyl esters of trivalent phosphorus acids described thus far. The ease of the intramolecular Arbuzov rearrangement of B-chloroethylphosphorous amides indicates an enhanced nucleophilicity of the trivalent phosphorus atom in these compounds.

ORIG REF: 006/ OTH REF: SUB CODE: 07/ SUBM DATE: 27Mar64/

Card 2/2

L 31272-66 EWT(m)/EWP(j)/T RM
ACC NR. AP6022796 SOURCE CODE: UR/0079/66/036/002/0274/0282
AUTHOR: Gilyarov. V. A.; Tsvetkov, Ye. E.; Kabachnik, M. I.
ORG: Institute of Heteroorganic Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR)
TITLE: Imides of phosphorus acids VIII. N-acylimidophosphates and -phosphinates and N-acylamidophosphates and -phosphinates
SOURCE: Zhurnal obshchey khimii, v. 36, no. 2, 1966, 274-282
TOPIC TAGS: organic phosphorus compound, chemical synthesis, dissociation constant, organic amide, molecular structure, IR spectrum, azide, imide
ABSTRACT: A series of new azidophosphates and azidophosphinates was produced by the reaction of chlorophosphates and chlorophosphinates with triethyl—nammonium azide. N-Acylimidophosphates and -phosphinates were synthesized by reaction of acyl azides with esters of phosphorous and phosphinous acids, and then dealkylated with hydrogen chloride to the corresponding N-acylamido—phosphates and -phosphinates. The concentration dissociation constants of a number of N-acylamidophosphates were determined, and it was concluded on the basis of the Bronsted rule that these substances possess an amide, not an imidol structure. Infrared spectra of the products were also studied and will be published separately. Orig. art. has: 1 figure and 4 tables. [JPRS]
SUB CODE: 07 / SUBM DATE: 10Nov64 / ORIG REF: 014 / OTH REF: 008
Cord 1/1 97 UDG: 546.185

L 31273-66 EWT(m)/FWF(j)/T ACC NR: A1002/797	SOURCE CODE: UR/0079/66/036/002/0282/0289
AUTHOR: Gilyarov, V. A.; Kabachni	k, M. I.
soyedineniy AN SOSR)	ompounds, AN SSSR (Institut elementoorganiche skikh
TITLE: N, N'-diarylphosphamidines	and some of their properties
SOURCE: Zhurnal obshchey khimii,	v. 36, no. 2, 1966, 282-289
TOPIC TAGS: organic phosphorus commechanism, substituen:	empound, chemical synthesis, organic amide, reaction
phorylai, N'-diarylamidines were sy aryla less through intermediate 0, were chosized for the first time N, N'-diarylamidines, the intermediate produced by transmination from N-The prenounced nucleophilic characteristics of synthesizing 0-alkyl-N, N	sphoryl-N.N'-diarylamidines and inos were synthesized. The diethylphos- ynthesized from diethyl chlorophosphite and .0-diethyl-N-amidophosphites (some of which me). In the synthesis of diethylphosphinyl- late N-phenylamidodiethylphosphinite was diethylamidodiethylphosphinate and aniline eter of the phosphamidines was noted. A i'-diaryldiamidophosphates with various was found. Orig. art. has: 5 tables. [JFRS]
SUB CODE: 07 / SUPM DATE: 24Fe	0665 / ORIG REF: 008 / OTH REF: 005
Card 1/1	UDC: 546.183:547.398.5

SOURCE CODE: UR/CO79/66/056/CO7/1226/1230 L 10357-67 E.P(5)/E.B(E.) ACC NA A.7005107 28 AUTHOR: Kazimirchik, I. V.; Bebikh, G. F.; Denisov, F. S.; Kabachnik, M. I. ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet) TITLE: Synthesis of amides of pyrocatecholphosphorous acid SOURCE: Zhurnal obshchey knimii, v. 36, no. 7, 1966, 1226-1230 TOPIC TAGS: organic synthetic process, organic phosphorus compound, secondary amine ABSTRACT: Stable cyclic amidophosphites were synthesized by the reaction of pyresatechol chlorophosphite with aromatic amines. The reaction with primary or secondary aromatic amines in the presence of triethylamine proceeded readily with slight heating in 75-80% yields. The amidephosphites obtained were capable of adding sulfur and reacting with phenylazide, yielding the corresponding bisthiomophosphate and N-phonyl-amidophosphate. The amides obtained were tested as inhibitors of ozone, light, and thermal aging of rubbers based on natural rubber. The duration of resistance of the rubbers to exone and light aging was found to be increased by 100-150% in the presence of amides of pyrocatecholphosphorous acid. The synthesized amides were also inhibitors of thermal aging of the rubbers, permitting them to retain their physicomochanical properties for longer periods. The authors thank M. A. Otopkov for carrying out the research inhibiting activities. Orig. art. has: 3 tables. [JPRS: 38,970] SUE CODE: 07 / SUEM DATE: 26Jun65 / ORIG REF: 003 UDC: 547.565.2:546.183.325:546.171.1 Card 1/2 /2/2

ROTHER AND REFERENCE RESEARCH RESEARCH RESEARCH RESEARCH RECORDER OF REAL PROPERTY OF THE RESEARCH RECORD R

ACC NR: AP7010711

SOURCE CODE: UR/0020/66/170/005/1103/1106

AUTHOR: Yakovleva, Ye. A.; Tsvetkov, Ye. N.; Iobanov, D. I.; Kabachnik, M. I. (Academician); Shatenshteyn, A. I.

ORG: Physico-Chemical Institute im. L. Ya. Karpov (Fiziko-khimicheskiy institut); Institute of Hetero-Organic Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR)

TITLE: Protophilic deuterium exchange of some organic compounds of trivalent phosphorus

SOURCE: AN SSSR. Doklady, v. 170, no. 5, 1966, 1103-1106

TOPIC TAGS: deuterium compound, deuterium, organic phosphorus compound, organic nitrogen compound

SUB CODE: 07

ABSTRACT: The authors consider electron effects in organic compounds of trivalent phosphorus, particularly the quantitative aspects of comparable electron effects of substituents in phosphorus and nitrogen compounds of similar structure. The rate of isotopic hydrogen exchange with a 0.8 N solution of tart-C₄H₉OK is measured in mixtures of various volumes of diglim and deuterated tertiary butanol at 180°C or with a 0.02 N solution of potassium amide in deuterated liquid ammonia at 0 or 25°C in several organic compounds.

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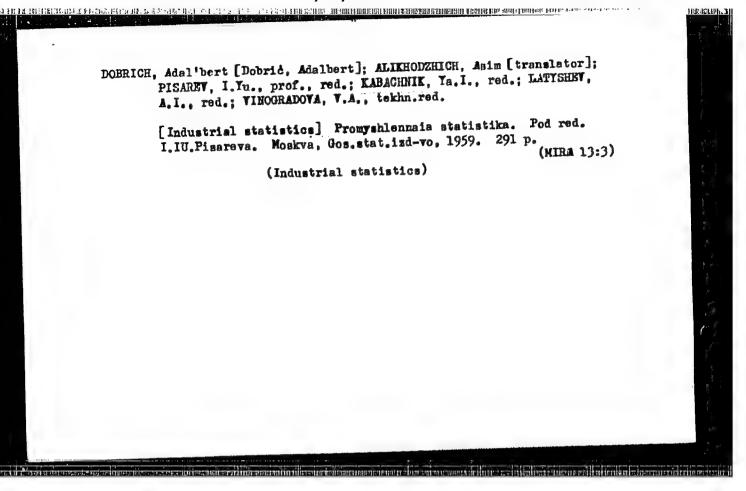
ACC NR: AP7010711

The resultant data show a probability that the smaller differences in exchange rates of aromatic and aliphatic CH bonds in methyldiphenylphosphine than in methyldiphenylamine may be attributed to the higher mobility of hydrogen in the aliphatic CH bonds due to d-orbital conjugation, and the increase in mobility of hydrogen in the CH bonds in the ortho position due to the additional inductive effect of the second phenyl radical. This work should serve as a basis for more detailed studies on the kinetics of deuterium removal from substances containing deuterium at a definite position in the molecule. We thank M. I. ARSHINOVA and R. M. GORBATOVA for assistance in this work. Orig. art. has: 2 figures and 2 tables. [IFRS: 40,351]

Card 2/2

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ALESHINA, F.; KABACHNIK, Ya.; KUZNETSOVA, N.; VASIL'YEVA, V.; BALASHOVA, M.;

NEMCHINOVA, I.

Several results of an experimental study of budgets of workers' families.

Biul.nauch.inform.: trud i zar. plata 3 no.12:24-48 '60.

(MIRA 14:3)

(Home economics-Accounting)

COUNTRY	: PolaiD : Deneral and Specialized Zoology, Insects. Biology and Ecology. Ecology and Ecology.
AUTEUR 1957. TITLE	: Anbesik, J.
cain. Fig.	: Asback, D.
L :SWF # C : 1/1	election of 3-year collections with the mid of trains and observations on two common forest ground besties: Jarabus arcensic and Pteresticians alger. Bestles of the former species were encountered only on the surface of the ground and those of the latter - in the ground. The greatest activity in the bestles of the former species are obtained from May until the beginning of July and in dry and among places - in august. The greatest activity of the latter appoins who observed from July until Jetaber. The ranjonse of both species to the bait varied a great deal. A numerical decrease in the populations is abserved at the edges of the forest. — From the author's resume

L 32845-66 FSS-2 ACC NR. AP6024125

SOURCE CODE: PO/0022/65/000/011/0327/0334

AUTHOR: Kabacik, Tadousz (Master engineer)

36 B

ORG: Department of Teletransmission Systems, Polytechnic Institute, Wroclaw (Katedra Urzadzen Teletransmisyjnych, Politechnika)

TITIE: Single-track telephone repeater with intermittently switched-on amplifier

SOURCE: Przeglad telekomunikacyjny, no. 11, 1965, 327-334

TOPIC TAGS: telephone equipment, audio amplifier, circuit design

ABSTRACT: The article analyzes the operation of a single-track telephone repeater with a single amplifier which is alternately switched on in either direction, i.e. in whichever direction the voice-carrying current flows. A block diagram of the system, the waveform of the voltages involved in the process of transmission are considered here; load matching conditions are derived on the basis of equivalent circuit parameters and, furthermore, amplitude- as well as phase-distortions in the amplifier circuit are discussed. Orig. art. has: 16 figures and 40 formulas. [JPRS]

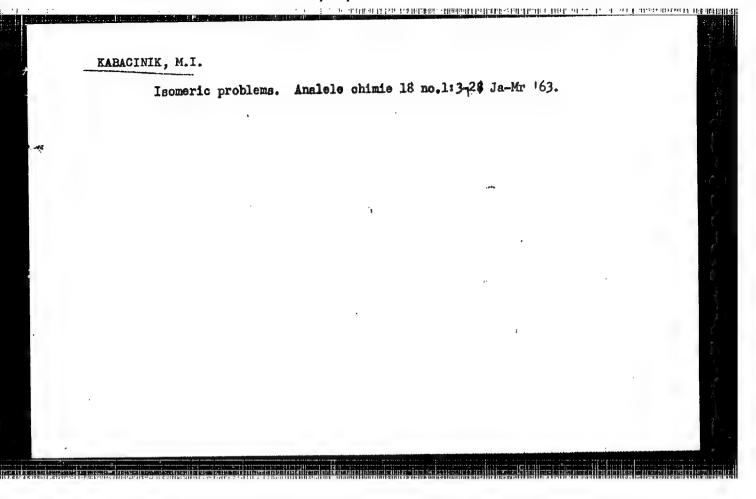
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UDC: 621.395.64

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KRBACINIC, M.K.

RUMANIA/Organic Chemistry. Synthetic Organic

E-2

Chemistry.

Abs Jour: Ref Zhur - Khimiya, No. 8, 1957, 26881.

Author Kabacinik, M.K.

Inst Title

New Ways of Fractical Application of Elemento-

Organic Compounds.

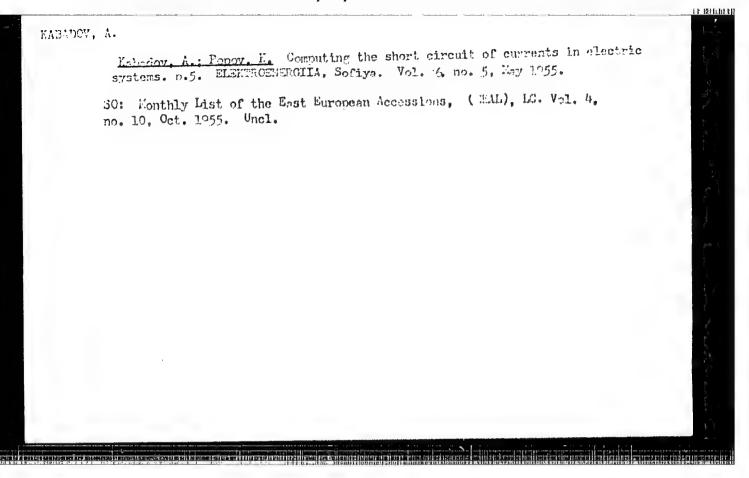
Orig Pub:

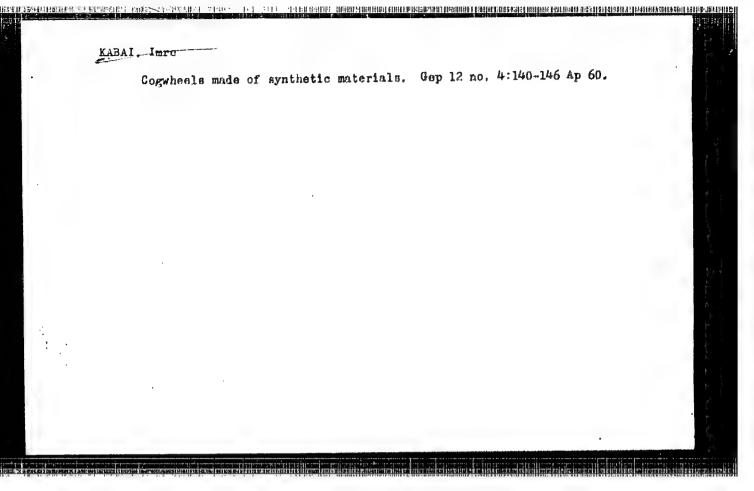
An. Rom.-Sov. Ser. Chim., 1956, 10, No. 3, 71 - 83.

Abstract: Translation. See RZhKhim, 1956, 47029.

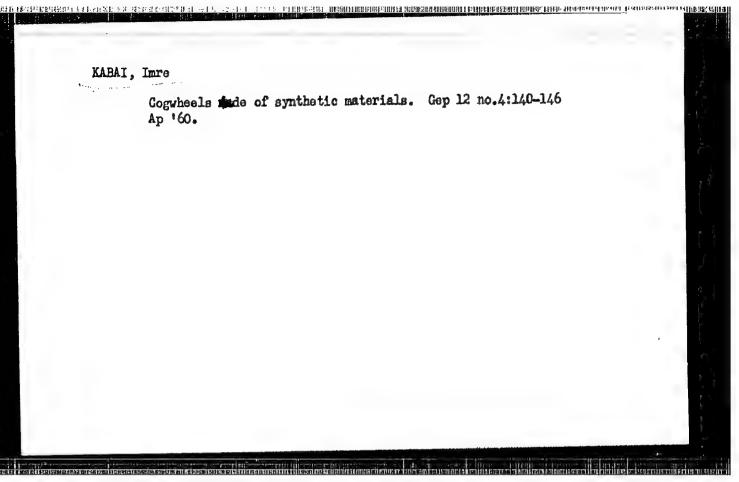
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ZSARY, A. (Budapest, Xi., Muegyetem rakpart 3); KABAI, I. (Budapest, XI., Miegyetem rakpart 3)

Endurance test on cogwheels. Periodica polytechn eng 7 no.4:299-321 '63.

1. Lehrstuhl fur Maschinenelemente der Technischen Universitat, Budapest. Vorgelegt von Prof. Dr. I. Voros.

al di theologia e chikuluka inkulah lahatar badi iba baar ar esebita orah saa caarbaridik muhikulah

KABAI, Imre, kutatomernok; ZSARY, Arpad, docens

Fatigue testing methods and values of wheel root fatigue in steel toothed wheels. Gep 16 no.12:461-473 D *64.

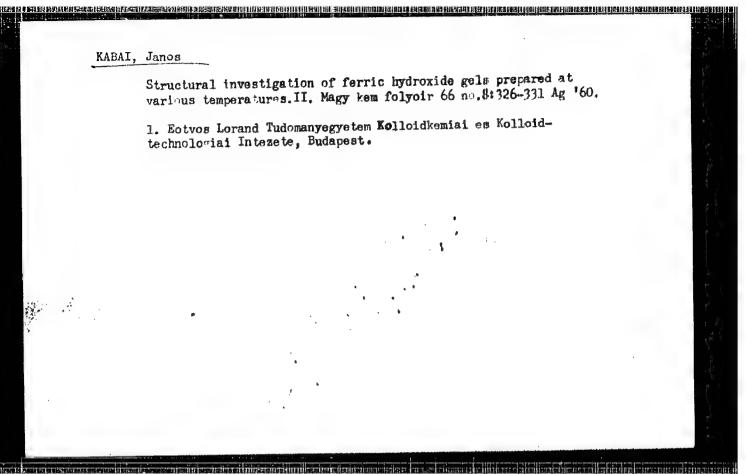
1. Scientific Research Institute of Automobile Transportation, Budapest (for Kabai). 2. Chair of Mechanics and Machine Elements of the Technical University of Building and Transportation, Budapest (for Zsary).

KABAI, Janos

Structural investigation of ferric hydroxide gels prepared at various temperature. (To be contd.) Magy kem folyoir 66 no. 3:108-112 Mr 160.

1. Ectvos Lorand Tudomanyegyetem Kolloidkemiai es Kolloidtechnologiai Intezete; Budapest.

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KABAI, Janos

Effect of freezing on the peptizableness of ferric hydroxide gels produced at different grades of temperature. Magy kem folyoir 67 no.8:367-369 Ag '61.

1.Eotvos Lorand Tudomanvegyetem Kolloid-kemiai es Kolloidtechnologiai Tanszeke, Budapest.

KABAI, Janos

Solubility rate of iron (III)-hydroxide rels prepared at various temperatures. Magy kem folyoir 70 no. 4:165-171 Ap 164.

1. Department of Colloid Chemistry and Colloid Technology, Lorand Ectvos University.

KABAILIENE, M.

GECGHAPHY & GECLCGY

MC SLINIAI FRANKLIMAI.

KABAILIENE, M.: Allered and pre-Allered periods in Lithuania in the light of palinological investigations of the Nopaitis peat-bog deposits. p. 105

Vol. 6, 1959

Monthly List of East Diropean Accession (EEAI) LC Vol. 8, No 3 Magde 1959, Unclass.

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KABAILIENE, M.

GEOGRAPHY & GEOLOGY

MOKSLINIAI PRANESINAI.

KABAILIENE, M. Some new data about the Allerod deposits of Gabiauriskis. p. 5.

Vol. 8, 1958.

Monthly List of East European Accession (EEAI) LC V 1. 8, No.3 Harch 1959, Unclass.

KABAIVANOV, V.; ALAMINOV, H. [Alaminov, Kh.]

On joint polycondensation of cyanuric acid, phenol and formaldehyde in acid medium. Doklady BAN 17 no.7:625-628 '64.

1. Submitted by Corresponding Member B. Kourtev [Kurtev, B.].

KABATVANCU, UT.
DULGARY/Organic Chemistry - Synthetic Organic Chemistry.

G-2

Abe Jour

: Ref Zhur - Khimiya, No 14, 1958, 46634

Author

: VI. Kabaivanov, M. Mikhaylov, L. Bozveliev

Inst

: Institute of Chemistry and Technology:

Title

: Separation of Methylvinylketone at Its Preparation of

Acetone and Formaldehide.

Orig Pub

: Godishnik Khim.-tekhnol. in-t, 1954, 1, 13-20

Abstract

The mixture of 4 moles of acctone and 1 mole of CH2O (40%-unl solution) is brought to pH from 8 to 9 with 1 n. NaOH and left to season 4.5 hours at 25 to 32°; it is neutralized with HCl, acctone is distilled off at the temperature up to 90°, after which the rest is distilled with ZnCl₂ (1% of ZnCl per initial acctone) at 150 to 160° and at 180° in the end. The distillate is fractionated in a column, the fraction with the

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BULGARIA/Chemical Technology - Chemical Products and Their Application - Industrial Organic Synthesis.

H-15

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8875

the treatment of the C the yield of \underline{I} was increased from 7 to 22.2%. A study was made of the effect of the content of water and CH₃CHO on the yield of \underline{I} .

Card 2/2

BULGARIA/Chemical Technology. Chemical Products and Their Applications. Industrial

Organic Synthesis.

Abs Jour: Ref Zhur-Knimiya, No 6, 1959, 20388

Author: Kabaivanov, Vl., Mikhaylov, M.

Inst 15

Title : Obtaining of Acetonecyanohydrin.

Orig Pub: Godishnik Khim. tekhnol. in-t, 1956 (1957),

No 1, 43-46

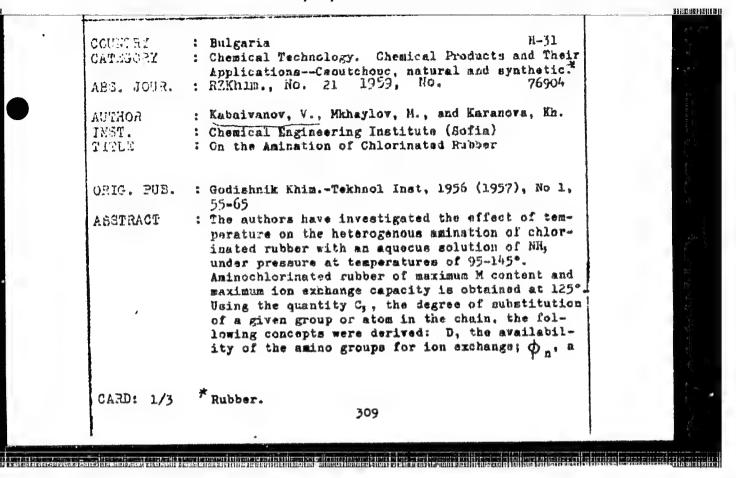
Abstract: While obtaining acetonecyanohydrin (I) by

the effect of HCN on an aqueous solution of acetone (II), at the moment of isolation, a yield of 77-78 percent of the product is obtained with a boiling point of 75-32°. A variant of this method is

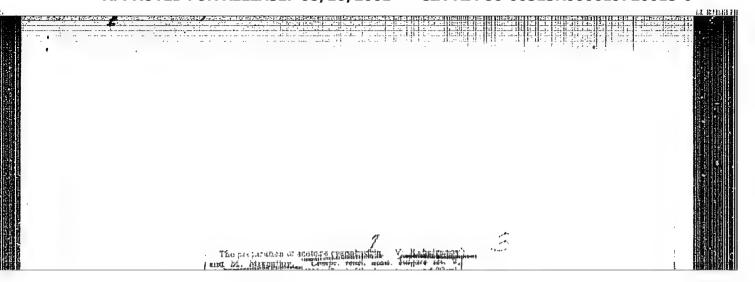
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H.

11 1/1/14

BULGARIA / Chemical Technology. Chemical Products and H-29 Their Application. Plastics.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 3019.

Author : Kabaivanov, V., Mikhaylov, M., Pangarova, P.

Inst: -Title: Urea-Formaldehyde Foam Plastics With an Increased
Strength.

Orig Pub: Godishnik Khim.-tekhnol. in-t, 1956, (1957), No 1, 47-53.

Abstract: A method for preparing urea-formaldehyde foam plastic (P) was worked cut. The method is based on the application of combined foaming — mechanical in the presence of an emulgator, laurol (I), and on the decomposition of a porophore, (NH₄)₂CO₃ (II). A resin for P is prepared as follows (in grams): formalin 37.7% - 100,

Card 2/2

Abs Jour

KABAINANCY, VEDERININ

BULGARIA/Synthetic Polymers, Plastics.

: Ref Zhur - Khimiya, No 19, 1958, 65989

Author : Kabaivanov Vladimir

Title : Use of Plastics in a New Technique.

Orig Pub : Priroda (Bulg.), 1957, 6, No 4, 38-44.

Abstract: Schemes are given for the extraction of modern plastics from coal, oil and wood. Comparative data are cited on the stability of several types of plastics with metals, and examples of plastic products for machine and automobile construction, electric engineering and aircraft construction, as well as for daily use and in medicine.

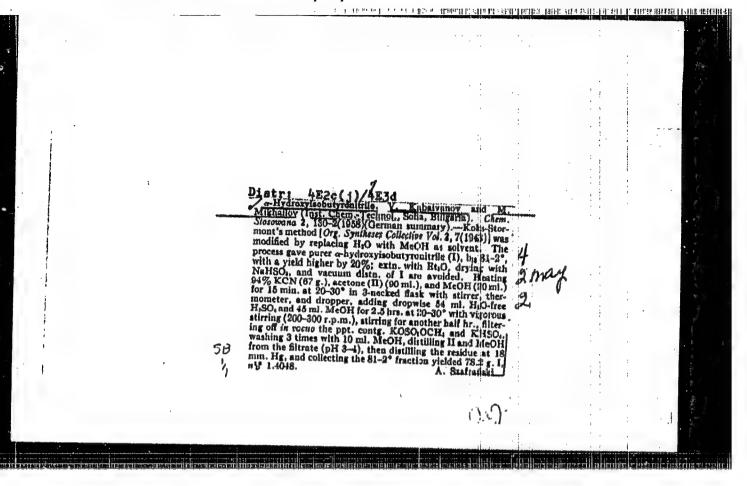
KABAIVANOV VI : MIKHAYLOV, M.

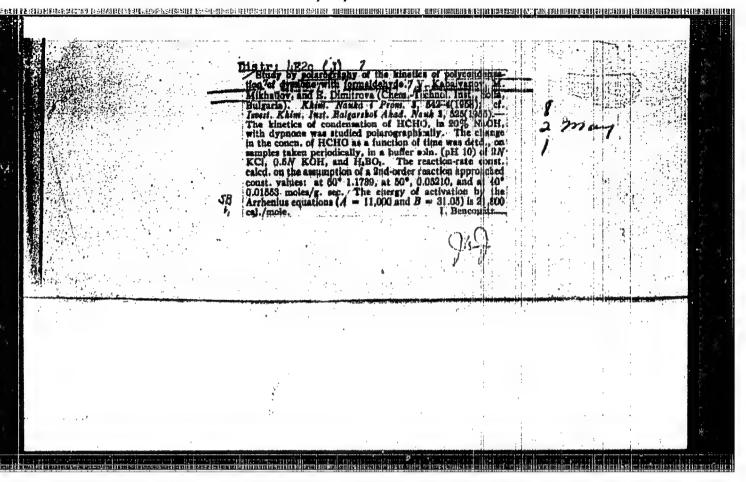
Preparation of acetone cyanohydrin (// -oxyisobutyronitryl) from acetone and sodium cyanide. Dokl. AN SSSR 117 no.2:234-236 N 57.

(MIRA 11:3)

1. Sofiyakiy khimiko-takhnologichaskiy institut Sofiya, Bolgariya, Predstavleno akademikom I.N. Nazarovym.
(Acetoacetonitrile)

CIA-RDP86-00513R000619720015-0" APPROVED FOR RELEASE: 08/10/2001





Distr: 452c(1)/453b Potentiometric method for the quantitative determination of chlorine in poly(vinyi chloride)/and in externally planticated mixtures of poly(vinyi chloride) with other components not containing chlorine. Jl., Kalasivanovy. I. Bozveliev, and D. Georgieva. Khim.; 186. (Soins) 31, 105-70 [1950]. Potentiometric analysis for C in pure poly(vinyi chloride) (I) gave an abs. error of 0.016%. When I is mixed with compds, not conig. Cl., such as dioctyl phthaliate, tritodyl phosphiate, and lead stearate, the abs. error was 0.028%, due in part to the higher thermal stability. Y. Himelbloom	KABAIVANOV, VC.				÷	5
Potentiometric method for the quantitative determination of chlorine in poly(vinyi chloride) and in externally planticized mixtures of poly(vinyi chloride) with other components not containing chlorine. W. Knhaivanov, L. Bozveliev, and D. Georgieva. Khini. s Ind. (Solna) 31, 165-70 (1950).—Potentiometric analysis for Cl in pure poly(vinyi chloride) (I) gave an abs. error of 0.016%. When I is mixed with compds. not contg. Cl, such as dioctyl phthalate, tritolyl phosphate, and lead stearate, the abs. error was 0.028%, due in part to the higher thermal stability.						
Potentiometric method for the quantitative determination of chlorine in poly(vinyl chloride) and in externally planticized mixtures of poly(vinyl chloride) with other components not containing chlorine. <u>YI. Knishiyannoy.</u> L. Bozveliev, and D. Georgieva. Khim. s Ind. (Solm) 31, 165-70 (1959).—Potentiometric analysis for Cl in pure poly(vinyl chloride) (I) gave an abs. error of 0.016%. When I is mixed with compds, not countg. Cl, such as dioctyl phthalate, tritolyl phosphate, and lead stearnte, the abs. error was 0.028%, due in part to the higher thermal stability.				ŧ	:	
Potentiometric method for the quantitative determination of chlorine in poly(vinyl chloride) and in externally planticized mixtures of poly(vinyl chloride) with other components not containing chlorine. Mt. Kabaliyanov. L. Bozveliev, and D. Georgieva. Khim. s Ind. (Solms) 31, 165-70 (1959). Potentiometric analysis for Cl in pure poly(vinyl chloride) (I) gave an abs. error of 0.016%. When I is mixed with compos. not conteg. Cl, such as dioctyl phthalate, tritolyl phosphate, and lead stearate, the abs. error was 0.028%, due in part to the higher thermal stability.				•		
Potentiometric method for the quantitative determination of chlorine in poly(vinyi chloride) and in externally plasticized mixtures of poly(vinyi chloride) with other components not containing chlorine. Wi. Kathaivanov. L. Bozzeliev, and D. Georgieva. Khim. s Irad. (Solm) 31, 185-70 (1959).—Potentiometric analysis for Cl in pure poly(vinyi chloride) (I) gave an abs. error of 0.016%. When I is mixed with compds. not contig. Cl, such as dioctyl phthaiste, tritolyl phosphate, and lead stearnte, the abs. error was 0.028%, due in part to the higher thermal stability.						
Potentiometric method for the quantitative determination of chlorine in poly(vinyt chloride) and in externally plasticized mixtures of poly(vinyt chloride) with other components not containing chlorine. WI. Kabaiyanov. L. Bozveliev, and D. Georgieva. Khim. s Ind. (Solm) 31, 185-70 (1959).—Potentionetric analysis for Cl in pure poly(vinyt chloride) (I) gave an abs. error of 0.016%. When I is mixed with compds, not contig. Cl, such as dioctyl phthalate, triolyl phosphate, and lead stearnte, the abs. error was 0.028%, due in part to the higher thermal stability.				,		\$
mixed with compds, not control, Cl, such as dioctyl phthal- ate, tritolyl phosphate, and lead stearate, the abs. error was 0.028%, due in part to the higher thermal stability. Y. Himelbloom Y. Himelbloom	Potentiometric method for the of chlorine in polyvinyi chloric cized mixtures of polyvinyi nents not containing chlorine.	he quantitative determination ide) and in externally plastichloride) with other composition of the compositi	4 1-94 (n 8) 			
or R	mixed with compds. not contg ate, tritolyl phosphate, and lea 0.028%, due in part to the high	CI, such as dioctyl phthal- d stearate, the abs. error was her thermal stability. Y. Himelbland	•			
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KABAIVANOV, Vl.; NATOV, M.; GERDZHIKOVA, Sv.

Synthesis of ethyl alumenum sesquibromide and polyethylene in carbon dioxide atmosphere. Godishnik khim tekh 6 no.1129-35 '59 (Publ. '60.)

h1370 3/081/62/000/018/059/059 B168/B186

Kabaivanov, Vl., Katov, M.

The reaction of p,p'-dioxydiphenyldimethylmethane with thio-AUTHERSE

TITLE: nyl chloride

Referativnyy zhurnal. Khimiya, no. 18, 1962, 615, abstract 18R84 (Godishnik Khim.-tekhnol. in-t, v. 6, no. 1, 1959(1960), PERTODICAL:

37 - 43 [Bulg.; Summaries in Rus. and Ger.])

The reaction of 4.4'-HOC6H4C(CH3)2C6H4OH-:(I) with SOCl2 was studied with a view to producing polysulfite of the type H-[0-C₅H₄C(Gh₂)₂C₅H₄C30-]-R. However, no proper resinous products were obtained with direct action of SOCl₂ on 1 at ~20°C or at elevated temperature, in the air or in an inert atmosphere, with or without solvents or in the presence of catalysts (ZnCl2, AlCl2, TiCl4). Reaction of an alkaline solution of I with socl2 produces RaCl, I and 302. Under the action of SOCE2 on a sodium derivative of I(II) in C6H6 the reaction proceeds by the mechanism of heterophase poly-Card 1/2

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HERRICA CONTROL OF CON

S/081/62/000/022/064/088 B166/B144

AUTHORS:

Kabaivanov, Vl., Ts"rnorechki, O., Kuzova, L.

TITLE:

Compatibility of nitrocellulose and acetylcellulose in the

presence of certain plasticizers and resins

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 22, 1962, 490, abstract

22P100 (Izv. N.-i. in-t kinematogr. i radio, v. 2,

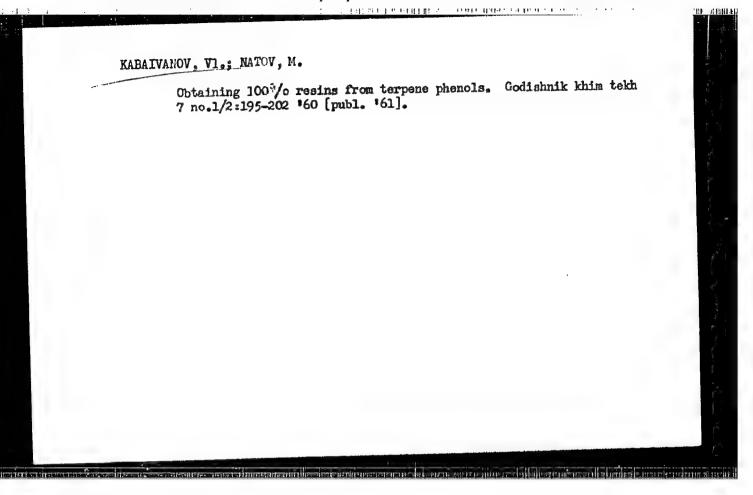
1959-1960(1961),167-174 Bul.; summaries in Russ. and French)

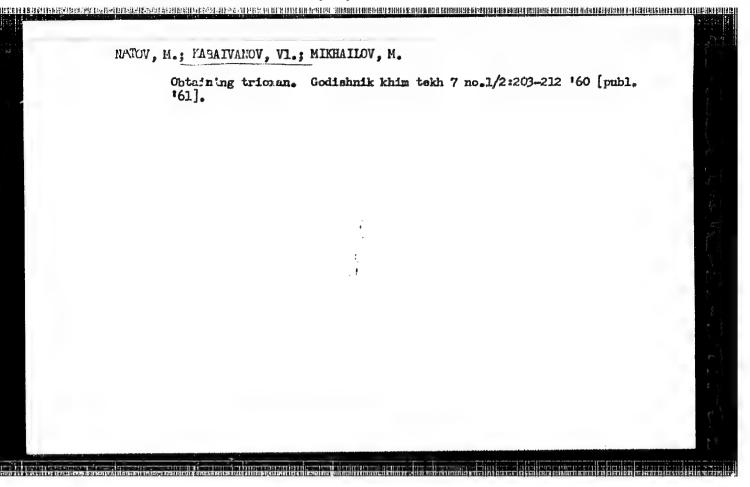
TEXT: Viscometer measurements prove that nitrocellulose (NC) with 11.8 % N and acetylcellulose (AC) with 49.5 % bound CH_COOH are incompatible with one another. Tricresyl phosphate and epoxy and glyptal resins are shown to improve considerably the compatibility of NC with AC; in this respect dibutyl phthalate is less effective. Abstracter's rnote: Complete translation.

Card 1/1

EABAIVANOV, VI.; NATOV, M.

Obtaining the terpene phenols under the catalytic action of sulfuric acid. Godishnik khim tekh 7 no.7/2:185-193 *60 [publ. *61].





KALAIVANOV, VI.; TSURNORECHKI, O.

Compatibility of the polyvinyl chloride and polyvinyl acetate in the presence of a third component. Godiehnik khim tekh 7 no.1/2:213-222

**60 [publ. *61].

TO THE SECOND CONTRACTOR OF THE PROPERTY OF TH

KABAIVANOV, Vl.; NATOV, M.

On interaction of P, P' - dioxidediphenyl dimethylmethane with thionine chloride. Godishnik khim tekh 6 no.1:37-43 459 (Publ. 160)

S/081/63/000/003/030/035 B144/B186

AUTHORS: Kabaiyanov, Vl., Natov, M.

TITLE: Production of 100% resins from terpine phehols

PERIODICAL: Referativnyy zhurnal. Khimiya, no, 3, 1963, 591, abstract
3T61 (Godishnik Khim.-tekhnol. in-t. v. 7, nos. 1-2, 1960
(1961), 195-202 [Bulg; summaries in Russ and Eng.])

TEXT: The polycondensation of certain terpens phendls with for aldehyde (I) was studied. It was established that this process is similar to the polycondensation of phenol with I and can take place with an alkaline as well as an acid catalyst; with the latter, higher-molecular and higher-melting resins are obtained. The resin synthesized from bornyl phenol (II) and I is thermoplastic; that synthesized from a mixture of II, bornyl-ester phenol and I is thermoreactive. Both types of resin are oil-soluble. The optimum method of obtaining terpene-phenol resins is as follows: 230 g terpene phenol, 150 ml 30% formalin and 2.5% of 37%HCl (acid) are boiled for 2 hrs; after drying in vacua the yield of resin is 260 - 265 g (after washing out the catalyst 245 - 250 g). [Abstracters and 1/1]

s/DB1/63/000/003/028/036 B144/B136 AUTHORS: Kabaivanov, Yl., Ts"rnorechki, O. TITLE: Compatibility of polyvinyl chloride with polyvinyl acetate in the presence of a third component Referativnyy zhurnal. Khimiya, no. 5, 1953, 589, abstract 3T45 (Godishnik Khim.-tekhnol. in-t, v. 7, nos. 1-2, 1960 PERIODICAL: (1961), 213-222 Bulg.; summaries in Russ, and Eng.]) TEXT: It has been established as a result of studying the compatibility of polyvinyl chloride (PVC), molecular weight 40 000 with polyvinyl acetate ((PVA), molecular weight 30 700 in the presente of dibutyl phthalate (I) and glyptal resin (GR), molecular weight 1430 that GR and particularly I improve the compatibility of PVC and PVA. The tensile strength-versus-composition (PVC - PVA) durve shows deviations from the monotonic course occurring in the case of PVC EVA ratios of 70:30 and 40:60, which is explained by the mutual planticizing effect of the two polymers. Abstracter's note: Complete translation. Card 1/1

KABAIVANOV, VI.; GEORGIEVA, M.; NATOV, M.

Preparation of stable melamineformaldehyde-resin solutions. Khim i industriia 35 no.5:170-172 '63.

T-V

KABAIVANOV, Vladimir, prof.

Development of the plastics industry according to the general perspective. Khim i industria 36 no. 2:41-42 '64.

l. Head, Chair of Plastics Technologyat the Chemical and Technological Institute, Sofia.

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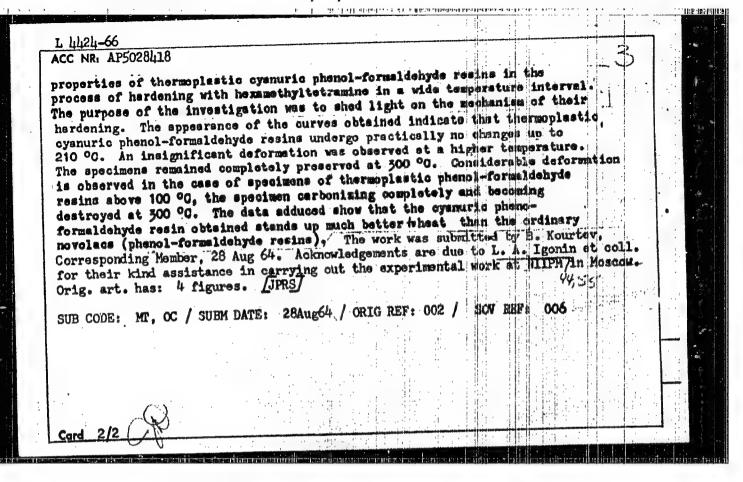
KABAIVANOV, VI.; ALAMINOV, Khr.

Thermal resistance of cyanuric-phenol-formaldehyde resins. Khim i industriia 36 no.10:362-366 '64.

1. Chemical and Technological Institute, Sofia. Submitted March 31, 1964.

	ACC NR. AP3028418 50URCE CODE: BU/0011/65/018/001/0027/0030		,514
	AUTHOR: Kabaivanov, V.; Alaminov, H. W.		3
	13.		*
	ORG: Chemico-Technological Institute, Darvenitza Sofia; Chemical Industry Research Institute, Sofia	-	
-	TITLE: Hardening of thermoplastic cyamuric phenol-formaldehyde resins		
•	TITLE: Hardening of thermoplastic cyamuric phenol-formaldehinde restins	A. 1. 1.	
	SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 1, 1965, 27-30		
	TOPIC TAGS: synthetic material, resin, solid mechanical property		
	ABSTRACT: English article The method and kinetics of cyanuric phenol-		
	formaldehyde resin production has been described in detail in previous		
	formaldehyde resin production has been described in detail in previous communications (Godishnik, KhTI, XI, 1963, No 2; Compt. rend. Acad. bulg. Soi.,		* Yo
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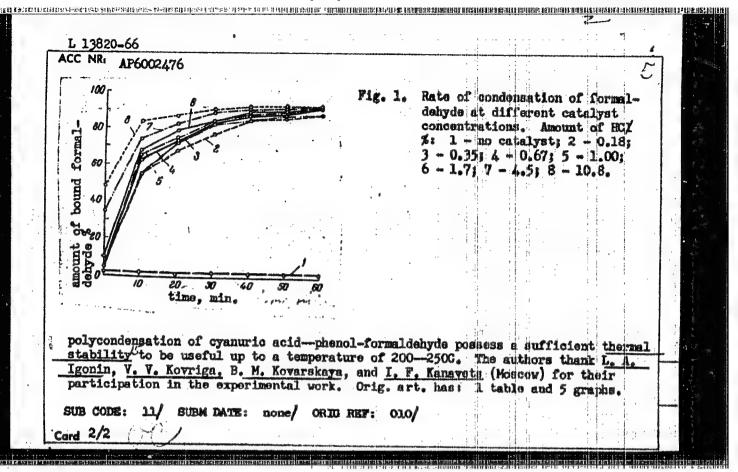
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L 13820-66 EWT(m)/EWP(1)/T/ETC(m)=6WW/RM ACC NR1 AP6002476 UR/0191/66/000/001/0019/0021 SOURCE CODE: AUTHORS: Kabaivanov, Vl.; Alaminov, Khr. ORG: none TITLE: Investigation of the simultaneous polycondensation of cvanuric acid, prenol and formaldehyde SOURCE: Plasticheskiye massy, no. 1, 1966, 19-21 TOPIC TAGS: polymer, polycondensation, polymerization catalyst, phenol, formaldehyde ABSTRACT: The properties of polycondensates obtained by the simultaneous polycondensation of cyanuric acid, phenol, and formuldehyde in the presence of bydrochloric acid were investigated to extend the work on the colycondensates of cyanuric acid and formaldehyde described by the authors (God, KhTL, 2, 11, 1964). The dependence of the rate of formaldehyde condensation, this change in acidity during the process of polycondensation on the catalyst concentration (HCX), and the temperature dependence of the deformation of the synthesized polymers were determined. The physico-mechanical properties of the polymers are compared with those of cellulose and wood meal. The experimental results are presented in tables and graphs (see Fig. 1). It is concluded that the resins obtained from the

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UDC: 678,632132121



	EWP(j)/TIJP(c) 6031802	SOURCE CODE: BU/0011/65/018/009/0821,	/0824
AUTHOR: Kab	aivanov. V. Mateva,	R.; Natov, M.	41
		itute, Soila-Darvenitsa	
	uction of polyformal um compounds	dehyde from trioxane under catalytic action of	B
SOURCE: Bul	garska akademiya na	naukite. Doklady, v. 18, no. 9, 1965, 821-824	i i
TOPIC TAGS:	chemical production	n, formaldehyde, trioxane, organoaluminum compound	,
	on, monomer, chemica	al purity, polymer chemical, molecular weight	
ABSTRACT:	huda andauntana ant	he widespread and general utilization of	'
bothioi maine	th the municipate only	y one major obstacles the difficulties of the initial monomer and with the	1
connected wi	on the purification	ent years the symmetrical cyclic trimer of	
formal dehyde	triovens Thes the	refore come to be increasingly used as the	
imitial mono	mer. This approach	has the shortcoming that the moisture found	
in trioxene	affects the molecule	er weight and the properties of the finel	
nolvmer. In	order to hind the	trioxane moisture chemically and then to	
produce poly	merization, the auth	hors used as driers organosluminum compounds	
of the AlRa	AlRox. AlRo .=X+ E-	and AlRX2 type in which R is the alkyl	
radical and	X - Ol. Br. These	compounds are known to reset vigorquely with	
waten meking	a rapid and complet	te drying of trioxene possible. The paper	
describes pr	oofs for the estaly	tio activity of organosluminum compounds, gives	
probable med	hanisms for the act:	ion of the catalyst, and gives a detailed	2.8
description	of the general expen	rimental procedures, nitrogen purification.	
and the poly	merization process	rimental procedures, nitrogen purification, proper. This paper was presented by Corresponding 1965. Orig. art. has: 2 tables. [Orig.pst. in	Eng. 1
SUB CODE: CO	Silem Date 27 May	65 / ORIG REF: OO2 / SOV REF: OO2 / OTH REF: O11	518]
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I. 42995-66 EWP(1)/T TJP(c) BW SOURGE CODE: BU/OC11/65/018/009/082	5/0828
AUTHOR: Kabaivanov, V.; Natov, M.	36
ORG: Chemico-Technological Institute, Sofia-Darvenitsa	0
TITIE: Effect of polymers' molecular weight on the phase state of their binary mixture	er og det er
SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 9, 1965, 825-828	
TOPIC TAGS: molecular weight, amorphous polymer, crystalline polymer, acrylic a formic acid, macromolecule, electron microscopy, electron diffraction, x ray difficulty	cid, fraction
ABSTRACT: The essiest way of modifying polymers is to mix them. One of the factors which plays a major role in determining the proper properties of polymers and polymer mixtures is their phase state. Consequently, the authors investigated a number of mixtures containing one crystallizing and one amorphous polymer. It was established that the molecular weight of the components strongly affects the phase state of their mixtures. The authors present also the dependence of the phase state of mixtures consisting of polycapronemide and polyacrylic acid/obtained at 40° from their solution in	
85-p. c. formic scide Graphs show that when the molecular weight of the polycapronamide increases, it crystallizes less readily and amorphous mixtures	
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KABAIVANSKI, lacho, d-r.; SIAVKOV, Iliia, d-r.; SAVOV, Din'o, d-r.;

STANCEY, Storan, d-r.

Intestinal form of furunculosis in treut in Bulgaria. Igv.mikrob. inst., Sofia 5:267-275 1954.

1. Ot N. I. V. Kh. K. Institut - Sofiia.

(FISH, trout, intestinal furunculosis)

(FURUNCULOSIS, intestinal in trout)

(INTESTINES, diseases, furunculosis in trout)

The states of th

KABAJ, V.

Something on the preparation of welds and on welds themselves. p.75

VARILNA TEHNIKA. (Drustvo za varilno tehniko IRS in Zavod za varjenje IRS Ljubljana, Yugoslavia. Voli7, no.3/4, 1958

Monthly List of East European Accessions Index (EEAI) IC, Vol18, no.11 Nov. 1959 Uncl.

KABAJ, Vinko (Ljubljana)

Construction of the welded scroll case of the Francis turbine for the hydroelectric power plant in Split. Var tehm 10 no.3:85-88-161.

·1. Tehnolog za varjenje v TZ Litostroj, [Ljubljana]

(Welding) (Turbines)

TO THE PROPERTY OF THE PROPERT

NECHAYEV, S.Ye.; KABAK, A., red.; BELOUSOVA, L., tekhn.red.

[Struggle of the Moldavian party organization for the development of stockbreeding] Partiinais organizataiis Moldavii v bor'be za pod"em zhivotnovodatva. Kishinev, Gos.izd-vo "Kartia Moldoveniaske," 1960. 88 p.

(Moldavia--Stock and stockbreeding)

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YELFIMOV, A.G., kand. ekon. nauk, dots.; DZHURINSKIY, N.; KABAK, A., otv. za vypusk; MILYAN, N., tekhn. red.

[Specialization and cooperation in industry in the Moldavian

S.S.R.]Spetsializatsiia i kooperirovanie v promyshlennosti Moldavskoi SSR. Pod red. A.G.Elfimova. Kishinev, Kartia moldoveniaske, 1962. 164 p. (MIRA 16:3) (Moldavia—Industrial organization)

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ENDOCRINOLOGY

HUNGARY/USSR

KURCZ, Mihaly, and KABAK, J.M., Laboratory of Endocrinology, National Lomonoscv University, Moscow [Original-Language version not given].

"Prolactin Content of Rat Hypophysis After Destruction of Middle Part of Hypothelemus "

Budapest, Kiserletes Orvostudomany, Vol 18, No 6, 1966; pp 561-565.

Abstract: After isolated destruction of the ventromedial nucleus of the hypothalamus the uterus was traumatized, in order to release the deciduoma reaction, and the prolactin content of the hypophysis was determined. In the genital cycle of the damaged animals the diestrus phase was prolonged, but the deciduoma reaction was not positive. The weight of the hypophysis significantly increased after the operation. Both the concentration and the absolute weight of the prolactin in the hypophysis was increased. On the basis of these results and of previous data the authors believe that those nervous structures which are responsible for the inhibition of the prolactin secretion of the hypophysis are either present in the ventromedial nucleus, or the paths connecting the "centers" inhibiting the prolactin production and the hypophysis pass through the ventromedial nucleus. 14 References, 7 of which Eastern. Manuscript received 28 Jul 65.

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K.5. KABAK,

USSR/Pharmacology. Toxicology. Various Preparations. V-9

Abs Jour : Ref Zhur-Biol., No 6, 1958, 28209

Author

: Kabak K. S.

Inst

: Not given.

Title

: Changes in the Periperal Nervous System of the Cutis Produced by some Theraputic Ointments.

Orig Pub

: Vrachevn. delo, 1957, No 2, 137-142.

OD DELEASE: 08/10/2001

Abstract

: Changes in the peripheral nervous system of the cutis of the upper lip developed by the rubbing of white murcury, Wilkinsons and sulphur ointments for periods of 7, 15, and 30 days were studied in 27 dogs. Biopsies were conducted 24 hours after the final application. The greatest modifications were found in the name fibers which inner cations were found in the nerve fibers which innervated

Card 1/2

Chair of Histology & Embusology Kin Med. Ind.

Jaru 6/2

CIA-RDP86-00513R00061972001

AUTHORS:

Polyakova, N. M., Kabak, K. S.

507/20-122-2-30/42

TITLE:

On the Albumin of Peripheral Nerves (Ob al'bumine peri-

fericheskikh nervov)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 2,

pp 275 - 277 (USSR)

ABSTRACT:

In the course of their investigations of proteins from different sections of the nerve system by means of electrophoresis on paper (Ref 1) the authors found, that the peripheral nerves contain a considerable amount of proteins the electrophoric mobility of which is equal to the blood-serum albumin. Furthermore, such proteins are found which move towards the cathode in the case of electrophoresis. The content of these two kinds of proteins differentiates the peripheral nerves from the brain and the spinal marrow. First of all it had to be clarified whether the said albumin does not come from the lymph. The authors were able to prove that a considerable amount of albumin in the nervus ischiaticus does not come from the lymph present in the nerve trunk. Further it had to be proved that the said albumin is not

Card 1/3

On the Albumin of Peripheral Nerves

SOV/20-122-2-30/42

part of the connective tissue. Figure 2 shows the electrophoretic graphs of the proteins in the nervus ischiaticus of horned cattle. As can be seen albumins are present not only in the extracts of the connective tissue of the nerve but to the same extent in the extracts from isolated nerve fiber fasciculi. This content was nearly the same and varied between 20 and 25% of the total content of soluble proteins. The albumin moving towards the cathode nerve fibers. There is no protein in the connective tissue (Fig 2). The albumin of the nerve resembles the blood serum albumin. There are 2 figures and 3 references, 2

ASSOCIATION:

(##X) 1

Institut biokhimii Akademii nauk USSR'Institute of Bio-chemistry, AS UkrSSR) Kiyevskiy meditsinskiy institut (Kiyev Medical Institute)

PRESENTED: Card 2/3

May 5, 1958, by A.V. Palladin, Member, Academy of Sciences, USSR

KABAK, K.S., assistent

Changes in the peripheral nervous system of the skin in microsporosis. Vest.derm. i ven. 33 no.3:34-40 My-Je '59.

1. Is kafedry gistologii i embriologii (zev. - zneluzhennyy deystel' nauki, chlen-korrespondent AMN SSSR prof.N.I.Zazybin)

Kiyevskogo meditsinskogo instituta.

(HINGWCHM, physiol.

peripheral NS of skin (Rus))

(SKIN, innerv.

peripheral, in ringworm (Rus))

(MERVEN, PERIPHERAL, physiol.

skin, in ringworm (Rus))

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KABAK, K.S.; KARUPU, B.Ya.; KUL'CHINSKIY, K.I.; LEV, I.D.; MAZHUGA, P.M.;

Survey of work of the Sixth All-Union Congress of Anatomists, Histologists and Embryologists. Arkh.anat.gist. i embr. 36 no.2:95-127 F 159. (MIRA 12:4)

THE SECTION REPORTED AND THE SECTION OF THE SECTION

KABAK, K.S.

On the reactive properties of the peripheral nervous system of the skin. Dop.AN URSR no.2:218-223 '60. (MIRA 13:6)'

1. Kiyevskiy meditsinskiy institut. Predstavleno akademikom AN USSR V.G.Kas'yanenko [V.H.Kas'ianenko].
(SKIN-HERVOUS SYSTEM)

CIA-RDP86-00513R000619720015-0 "APPROVED FOR RELEASE: 08/10/2001

KABAK, K.S. (Kiyev, Brest-Litovskoye shosse, d.82); KOLOMIYTSEV, A.K. (Kiyev, Brest-Litovskoye shosse, d.82); OSAULENKO, V.Ya. (Kiyev, Brest-Litovskoye shosse, d.82); CHERNOV, O.V. (Kiyev, Brest-Litovskoye shosse, d.82)

> Reaction of the peripheral nerves of the skin to synthetic suture material. Nov. khir. arkh. no.5:92-95 S-0 '60. (MIRA 14:12)

1. Kafedra gistologii i embriologii (zav. - zasluzhennyy deyatel' nauki, chlen-korrespondent AN SSSR prof. N.I.Zamybin) Kiyevskogo nauki, cnien-kollogo meditsinskogo instituta. (SKIN-INNERVATION)

(SUTURES)

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13. TO THE RESIDENCE OF THE PROPERTY OF THE PR

KONTSEVICH, I.A.; KABAK, K.S.

Reactive changes in the vagus nerves in strangulation. Sud.-med. ekspert. 6 no.4:10-16 O-D'63 (MIRA 16:12)

l. Kafedra sudebnoy meditsiny (zav. - prof. Yu.S.Sapozinikov) i kafedra gistologii i embriologii (zav.-prof. N.I.Zazybin) Kiyevskogo meditsinskogo instituta.

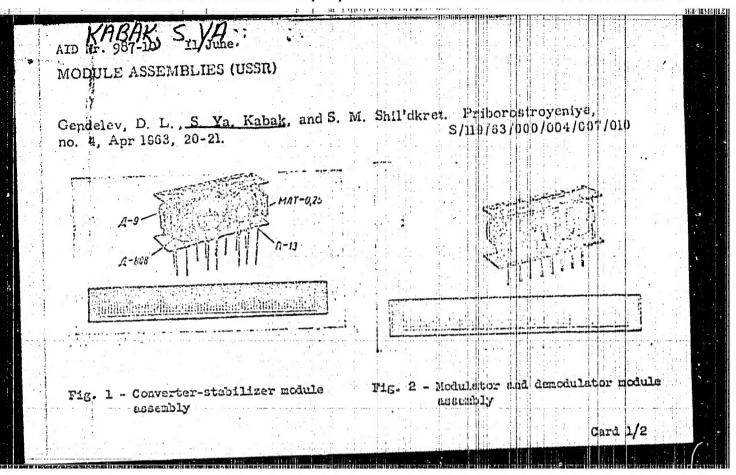
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ां र में वार्ता, में किया राज्य विश्वेष समिताल महितार एक अभवतिकाल करिय का स्वारी के बात है किया वार्तिक स्वारी

KABAK, K.S.; KOLOMIYTSEV, A.K.

Innervation of initial sections of the lymphatic system. Arkh. anat., gist. i embr. 46 no.2:70-75 F 164. (MIRA 17:12)

l. Kafedra gistologii i embriologii (zav. - zasluzhennyy deyatel nauki chlen-korrespondent AMN SSSR prof. N.I.Zazybin) Kiyevskogo meditsinskogo instituta. Adres avtora: Kiyev, Brest-Litobskoye shosse, 22. Morfologicheskiy korpus, kafedra gistologii i embriologii Kiyevskogo meditsinskogo instituta.



MODULE ASSEMBLIES [Cont'd]

S/119/63/000/004/007/010

The utilization of miniature semifinished products for the construction of modular assemblies would result in an increase of assembly compactness from 1.5-2 elements to 4-5 elements per cm². Fig. 1 shows a converter-stabilizer containing two A-3 djodes, two A-303 diodes, five II-13 transistars, and eight MAT-0.25 resistors. Fig. 2 shows the modular assembly of a modulator and demodulator containing two A-308 diodes, four II-13 transistors, and three MAT-0.25 resistors. Both functional blocks are simple to build and adjust. Each has two printed plates which differ from those of the other in the design of their printed circuits.

GENDELEV, D.L.; KABAK, S.Ya.; SHIL'DKRET, S.M.

Modulus or micromodulus? Priborostroenie no.4:20-21 Ap 163. (Electronic apparatus and appliances)

